Title: "Automatic Red Eye Removal" Inventors: Donghui Wu Docket No.: ARC-P135 1/6

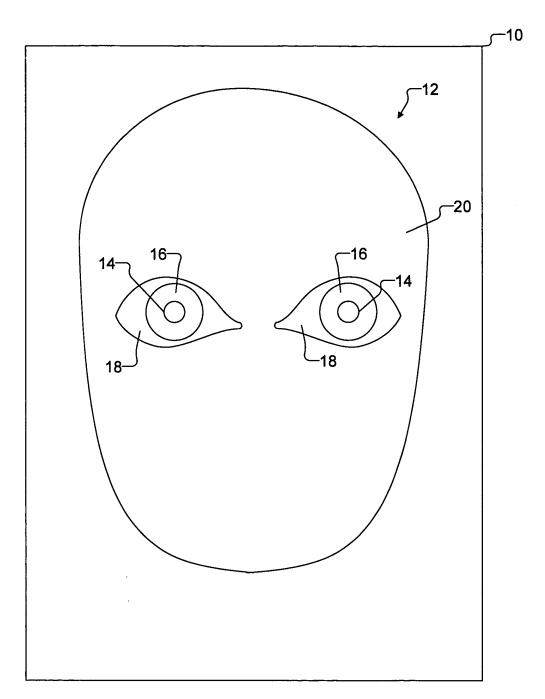


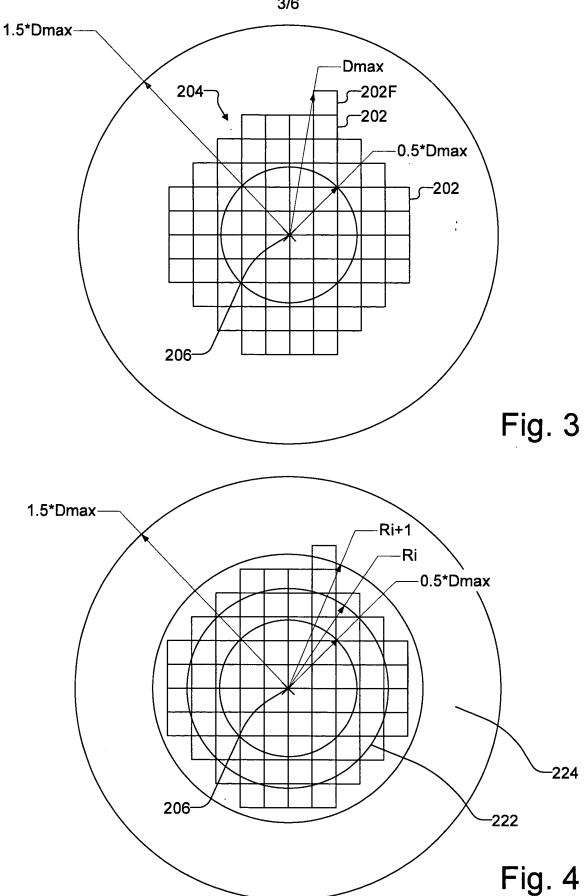
Fig. 1

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100─ Determine a first weighted red color value of each pixel | \_\_102 in an image Select pixels having first weighted red color values -104 greater than a threshold as red eye pixels Determine a second weighted red color value of each -106 pixel in the image Select pixels having second weighted red color values -108 greater than a second threshold as red eye pixels -110 Group contiguous red eye pixels into red eye regions 112 Determine if each red eve region is a round pupil Reject red eye regions that are not round pupils Determine if each red eye region is too close to another red eye region Reject red eye regions that are too close to another red | —118 eye region Determine if each red eye region is proximate to a facial | region Reject red eye regions that are not proximate to a facial region Determine if each red eye region is proximate to a white \ \_124 region of an eye Reject red eye regions that are not proximate to a white region of an eye 128 Replace red pixels with black pixels

Fig. 2

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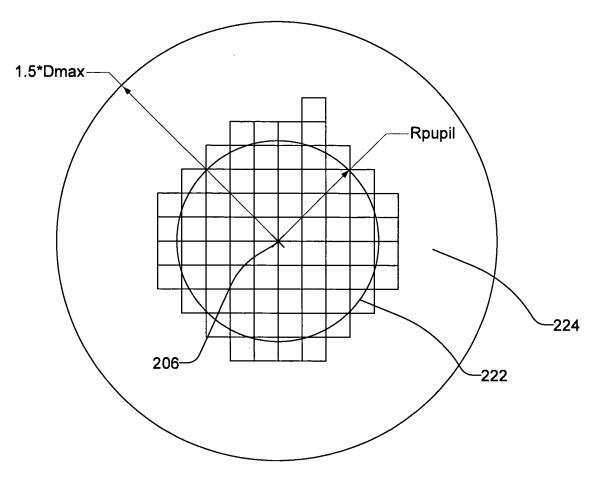


Fig. 5

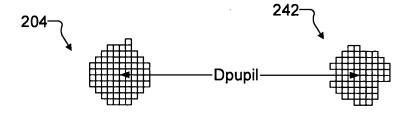
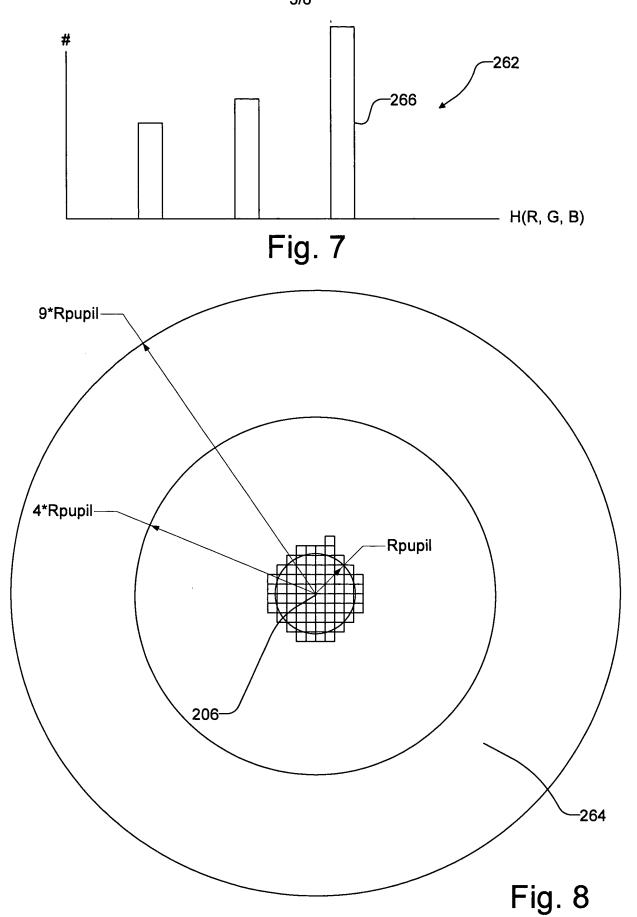


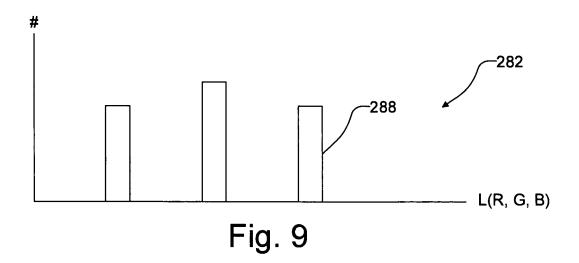
Fig. 6

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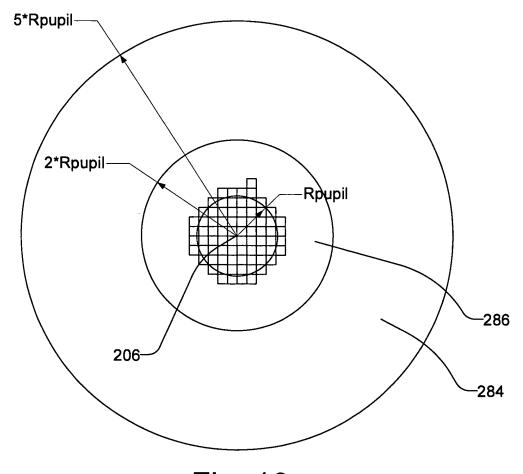


Fig. 10